

# Index of Authors

## VOLUME 92, 1994 (Evoked Potentials)

(Abstracts from Society Proceedings are not included)

- Accornero, N., see Barbato, L. (92) 169  
Aihara, M., see Fujii, M. (92) 518  
Al-Dalaan, A., see Stigsby, B. (92) 273  
Al-Kawi, M.Z., see Stigsby, B. (92) 273  
Andersson, T. and Sidén, Å.  
    Comparison of visual evoked potentials elicited by light-emitting diodes and TV monitor stimulation in patients with multiple sclerosis and potentially related conditions (92) 473  
Aran, J.-M., see Charlet de Sauvage, R. (92) 462  
Arezzo, J.C., see Steinschneider, M. (92) 30  
Aulisa, L., see Restuccia, D. (92) 502
- Badier, J.M., see Liégeois-Chauvel, C. (92) 204  
Barbato, L., Rinalduzzi, S., Laurenti, M., Ruggieri, S. and Accornero, N.  
    Color VEPs in Parkinson's disease (92) 169  
Barbero, N., see Gevins, A. (92) 282  
Bartel, P.R. and Vos, A.  
    Induced refractive errors and pattern electroretinograms and pattern visual evoked potentials: implications for clinical assessments (92) 78  
Begleiter, H., see Hertz, S. (92) 342  
Berkovic, S.F., see Puce, A. (92) 352  
Berkovic, S.F., see Puce, A. (92) 555  
Biggins, C., see Fein, G. (92) 536  
Birbaumer, N., see Roberts, L.E. (92) 44  
Bladin, P.F., see Puce, A. (92) 352  
Bladin, P.F., see Puce, A. (92) 555  
Bleich, N., see Pratt, H. (92) 469  
Bohlega, S., see Stigsby, B. (92) 273  
Bokura, H., Yamaguchi, S., Tsuchiya, H., Yamashita, K. and Kobayashi, S.  
    Reduction of visual P300 during transient global amnesia (92) 422  
Bressler, S., see Gevins, A. (92) 282  
Brinciotti, M.  
    Effects of chronic high serum levels of phenobarbital on evoked potentials in epileptic children (92) 11  
Brunko, E., see Mavrouidakis, N. (92) 82  
Buettner, U.W., see Lingenfelser, T. (92) 196
- Cadusch, P.J., see Puce, A. (92) 352  
Cadusch, P.J., see Puce, A. (92) 555  
Camfferman, G., see Kemner, C. (92) 225  
Cardenas, V.A., see Gerson, J. (92) 161  
Charlet de Sauvage, R., Erre, J.-P. and Aran, J.-M.  
    Differential sensitivity to rotation measured on potentials evoked by electrical stimulation of the guinea-pig ear (92) 462  
Chauvel, P., see Liégeois-Chauvel, C. (92) 204  
Cheron, G., Piette, T., Thiriaux, A., Jacqy, J. and Godaux, E.  
    Somatosensory evoked potentials at rest and during movement in Parkinson's disease: evidence for a specific apomorphine effect on the frontal N30 wave (92) 491
- Chorlian, D., see Hertz, S. (92) 342  
Christian, J.C., see O'Connor, S. (92) 115  
Colletti, V., see Møller, A.R. (92) 17  
Colletti, V., see Møller, A.R. (92) 316  
Collins, G.E., see Polich, J. (92) 253  
Cowan, J.D., see Hartwell, R.C. (92) 487  
Creel, D.J., see Emmerson-Hanover, R. (92) 93  
Cuperus, J.M., see Kemner, C. (92) 225  
Cutillo, B., see Gevins, A. (92) 282
- Darcey, T.M., see Dowman, R. (92) 373  
Daun, A., see Singh, K.D. (92) 365  
Defevrimont, M., see Mavrouidakis, N. (92) 82  
Desmond, J., see Gevins, A. (92) 282  
Di Lazzaro, V., see Restuccia, D. (92) 502  
Dobie, R.A. and Wilson, M.J.  
    Objective detection of 40 Hz auditory evoked potentials: phase coherence vs. magnitude-squared coherence (92) 405  
Dowman, R.  
    SEP topographies elicited by innocuous and noxious sural nerve stimulation. I. Identification of stable periods and individual differences (92) 291  
Dowman, R.  
    SEP topographies elicited by innocuous and noxious sural nerve stimulation. II. Effects of stimulus intensity on topographic pattern and amplitude (92) 303  
Dowman, R. and Darcey, T.M.  
    SEP topographies elicited by innocuous and noxious sural nerve stimulation. III. Dipole source localization analysis (92) 373  
Dustman, R.E., see Emmerson-Hanover, R. (92) 93
- Echallier, J.F., see Giard, M.H. (92) 238  
Eggstein, M., see Lingenfelser, T. (92) 196  
Eischen, S.E. and Polich, J.  
    P300 from families (92) 369  
Eischen, S.E., see Polich, J. (92) 253  
El-Ramahi, K., see Stigsby, B. (92) 273  
Elbert, T., Rockstroh, B., Hampson, S., Pantev, C. and Hoke, M.  
    The magnetic counterpart of the contingent negative variation (92) 262  
Eldredge, L., see Salamy, A. (92) 392  
Emmerson-Hanover, R., Shearer, D.E., Creel, D.J. and Dustman, R.E.  
    Pattern reversal evoked potentials: gender differences and age-related changes in amplitude and latency (92) 93  
Erasmí-Körber, H., see Haupt, W.F. (92) 86  
Erre, J.-P., see Charlet de Sauvage, R. (92) 462
- Falkenstein, M., Hohnsbein, J. and Hoormann, J.  
    Effects of choice complexity on different subcomponents of the late positive complex of the event-related potential (92) 148

- Fein, G., Biggins, C. and Van Dyke, C.  
The auditory P50 response is normal in Alzheimer's disease when measured via a paired click paradigm (92) 536
- Fein, G., see Gerson, J. (92) 161
- Fiorino, F.G., see Møller, A.R. (92) 17
- Fiorino, F.G., see Møller, A.R. (92) 316
- Forss, N., Salmelin, R. and Hari, R.  
Comparison of somatosensory evoked fields to airpuff and electric stimuli (92) 510
- Froehlich, J. and Kaufman, D.I.  
Use of pattern electroretinography to differentiate acute optic neuritis from acute anterior ischemic optic neuropathy (92) 480
- Froment, J.C., see Giard, M.H. (92) 238
- Fujii, M., Yamada, T., Aihara, M., Kokubun, Y., Noguchi, Y., Matsubara, M. and Yeh, M.H.  
The effects of stimulus rates upon median, ulnar and radial nerve somatosensory evoked potentials (92) 518
- Fujiu, M., Toleikis, J.R., Logemann, J.A. and Larson, C.R.  
Glossopharyngeal evoked potentials in normal subjects following mechanical stimulation of the anterior faucial pillar (92) 183
- Galbraith, G.C.  
Two-channel brain-stem frequency-following responses to pure tone and missing fundamental stimuli (92) 321
- Galli, M., see Restuccia, D. (92) 502
- Gerson, J., Cardenas, V.A. and Fein, G.  
Equivalent dipole parameter estimation using simulated annealing (92) 161
- Geva, A.B., see Pratt, H. (92) 89
- Gevens, A., Cutillo, B., Desmond, J., Ward, M., Bressler, S., Barbero, N. and Laxer, K.  
Subdural grid recordings of distributed neocortical networks involved with somatosensory discrimination (92) 282
- Gevens, A., see Le, J. (92) 433
- Giard, M.H., Perrin, F., Echallier, J.F., Thévenet, M., Froment, J.C. and Pernier, J.  
Dissociation of temporal and frontal components in the human auditory N1 wave: a scalp current density and dipole model analysis (92) 238
- Godaux, E., see Cheron, G. (92) 491
- Gonser, A., see Gütling, E. (92) 568
- Grant, I., see Iragui, V.J. (92) 1
- Gray, N., see Singh, K.D. (92) 365
- Gruber, M., see Hummel, T. (92) 426
- Grummich, P., see Singh, K.D. (92) 365
- Gütling, E., Gonser, A., Imhof, H.-G. and Landis, T.  
Prognostic value of frontal and parietal somatosensory evoked potentials in severe head injury: a long-term follow-up study (92) 568
- Hämäläinen, M., see Mäkelä, J.P. (92) 414
- Hampson, S., see Elbert, T. (92) 262
- Hari, R., see Forss, N. (92) 510
- Hari, R., see Mäkelä, J.P. (92) 414
- Hartwell, R.C. and Cowan, J.D.  
Covariability of visually evoked potentials and simple motor reaction times (92) 487
- Haupt, W.F., Erasmi-Körber, H. and Lanfermann, H.  
Intraoperative recording of parietal SEP can miss hemodynamic infarction during carotid endarterectomy: a case study (92) 86
- Hertz, S., Porjesz, B., Begleiter, H. and Chorlian, D.  
Event-related potentials to faces: the effects of priming and recognition (92) 342
- Hillyard, S.A., see Kutas, M. (92) 126
- Hohnsbein, J., see Falkenstein, M. (92) 148
- Hokama, H., see Koyama, S. (92) 546
- Hoke, M., see Elbert, T. (92) 262
- Hoormann, J., see Falkenstein, M. (92) 148
- Hosokawa, K., see Kajimoto, S.-I. (92) 456
- Hosomi, H., see Kajimoto, S.-I. (92) 456
- Hummel, T., Gruber, M., Pauli, E. and Kobal, G.  
Chemo-somatosensory event-related potentials in response to repetitive painful chemical stimulation of the nasal mucosa (92) 426
- Imhof, H.-G., see Gütling, E. (92) 568
- Ioannides, A.A., see Singh, K.D. (92) 365
- Iragui, V., see Kutas, M. (92) 126
- Iragui, V.J., Kalmijn, J., Thal, L.J., Grant, I. and The HNRC Group,  
Neurological dysfunction in asymptomatic HIV-1 infected men: evidence from evoked potentials (92) 1
- Jacqy, J., see Cheron, G. (92) 491
- Jakober, B., see Lingenfelser, T. (92) 196
- Jannetta, P.J., see Møller, A.R. (92) 215
- Jho, H.D., see Møller, A.R. (92) 215
- Kajimoto, S.-I., Hosomi, H., Suwaki, H. and Hosokawa, K.  
High-rate sequential sampling of auditory brain-stem and somatosensory evoked responses in hypoxia (92) 456
- Kalmijn, J., see Iragui, V.J. (92) 1
- Kaufman, D.I., see Froehlich, J. (92) 480
- Kemner, C., Verbaten, M.N., Cuperus, J.M., Camfferman, G. and Van Engeland, H.  
Visual and somatosensory event-related brain potentials in autistic children and three different control groups (92) 225
- Kenemans, J.L., see Smulders, F.T.Y. (92) 107
- Kobal, G., see Hummel, T. (92) 426
- Kobayashi, S., see Bokura, H. (92) 422
- Kobayashi, T., see Kuriki, S. (92) 56
- Kober, H., see Singh, K.D. (92) 365
- Kok, A., see Smulders, F.T.Y. (92) 107
- Kokubun, Y., see Fujii, M. (92) 518
- Kömpf, D., see Wessel, K. (92) 331
- Koyama, S., Hokama, H., Miyatani, M., Ogura, C., Nageishi, Y. and Shimokochi, M.  
ERPs in schizophrenic patients during word recognition task and reaction times (92) 546
- Kuriki, S., Takeuchi, F. and Kobayashi, T.  
Characteristics of the background fields in multichannel-recorded magnetic field responses (92) 56
- Kutas, M., Iragui, V. and Hillyard, S.A.  
Effects of aging on event-related brain potentials (ERPs) in a visual detection task (92) 126
- Lagae, L., see Spileers, W. (92) 64
- Landis, T., see Gütling, E. (92) 568
- Lanfermann, H., see Haupt, W.F. (92) 86
- Larson, C.R., see Fujiu, M. (92) 183
- Laurenti, M., see Barbato, L. (92) 169
- Laxer, K., see Gevens, A. (92) 282
- Le, J., Menon, V. and Gevens, A.  
Local estimate of surface Laplacian derivation on a realistically shaped scalp surface and its performance on noisy data (92) 433
- Li, B.-H., see Mitzdorf, U. (92) 442
- Li, T.-K., see O'Connor, S. (92) 115
- Liégeois-Chauvel, C., Musolino, A., Badier, J.M., Marquis, P. and Chauvel, P.  
Evoked potentials recorded from the auditory cortex in man: evaluation and topography of the middle latency components (92) 204
- Lingenfelser, T., Buettner, U.W., Uhl, H., Renn, W., Tobis, M., Teichmann, R., Eggstein, M. and Jakober, B.  
Recovery of hypoglycaemia-associated compromised cerebral



- function after a short interval of euglycaemia in insulin-dependent diabetic patients (92) 196
- Logemann, J.A., see Fujii, M. (92) 183
- Lutzenberger, W., see Roberts, L.E. (92) 44
- Maes, H., see Spileers, W. (92) 64
- Mäkelä, J.P., Hämäläinen, M., Hari, R. and McEvoy, L.  
Whole-head mapping of middle-latency auditory evoked magnetic fields (92) 414
- Marquis, P., see Liégeois-Chauvel, C. (92) 204
- Marsh, M.S. and Smith, S.  
Differences in the pattern visual evoked potential between pregnant and non-pregnant women (92) 102
- Martin, W.H., see Pratt, H. (92) 469
- Matsubara, M., see Fujii, M. (92) 518
- Mauguière, F., see Restuccia, D. (92) 502
- Mavrouidakis, N., Vandesteene, A., Brunko, E., Defevrimont, M. and Zegers de Beyl, D.  
Spinal and brain-stem SEPs and H reflex during enflurane anesthesia (92) 82
- McEvoy, L., see Mäkelä, J.P. (92) 414
- Menon, V., see Le, J. (92) 433
- Mittelman, N., see Pratt, H. (92) 89
- Mitzdorf, U., Li, B.-H. and Pöppel, E.  
Mass-action view of single-cell responses to stimulation of the receptive field and/or beyond: exemplification with data from the rabbit primary visual cortex (92) 442
- Miyatani, M., see Koyama, S. (92) 546
- Møller, A.R., Colletti, V. and Fiorino, F.G.  
Click-evoked responses from the exposed intracranial portion of the eighth nerve during vestibular nerve section: bipolar and monopolar recordings (92) 17
- Møller, A.R., Colletti, V. and Fiorino, F.G.  
Neural conduction velocity of the human auditory nerve: bipolar recordings from the exposed intracranial portion of the eighth nerve during vestibular nerve section (92) 316
- Møller, A.R., Jannetta, P.J. and Jho, H.D.  
Click-evoked responses from the cochlear nucleus: a study in human (92) 215
- Morzorati, S., see O'Connor, S. (92) 115
- Musolino, A., see Liégeois-Chauvel, C. (92) 204
- Näätänen, R., see Schröger, E. (92) 140
- Nageishi, Y., see Koyama, S. (92) 546
- Nazarenus, D., see Wessel, K. (92) 331
- Noguchi, Y., see Fujii, M. (92) 518
- O'Connor, S., Morzorati, S., Christian, J.C. and Li, T.-K.  
Heritable features of the auditory oddball event-related potential: peaks, latencies, morphology and topography (92) 115
- Ogura, C., see Koyama, S. (92) 546
- Orban, G.A., see Spileers, W. (92) 64
- Paavilainen, P., see Schröger, E. (92) 140
- Pantev, C., see Elbert, T. (92) 262
- Pauli, E., see Hummel, T. (92) 426
- Pernier, J., see Giard, M.H. (92) 238
- Perrin, F., see Giard, M.H. (92) 238
- Piette, T., see Cheron, G. (92) 491
- Polich, J., Eischen, S.E. and Collins, G.E.  
P300 from a single auditory stimulus (92) 253
- Polich, J., see Eischen, S.E. (92) 369
- Polyakov, A. and Pratt, H.  
Three-channel Lissajous' trajectory of the binaural interaction components in human auditory brain-stem evoked potentials (92) 396
- Pongratz, H., see Singh, K.D. (92) 365
- Pöppel, E., see Mitzdorf, U. (92) 442
- Porjesz, B., see Hertz, S. (92) 342
- Pratt, H., Martin, W.H., Bleich, N., Zaaroor, M. and Schacham, S.E.  
A high-intensity, goggle-mounted flash stimulator for short-latency visual evoked potentials (92) 469
- Pratt, H., Mittelman, N. and Geva, A.B.  
Machine scoring of somatosensory evoked potentials (92) 89
- Pratt, H., see Polyakov, A. (92) 396
- Puce, A., Berkovic, S.F., Cadusch, P.J. and Bladin, P.F.  
P3 latency jitter assessed using 2 techniques. I. Simulated data and surface recordings in normal subjects (92) 352
- Puce, A., Berkovic, S.F., Cadusch, P.J. and Bladin, P.F.  
P3 latency jitter assessed using 2 techniques. II. Surface and sphenoidal recordings in subjects with focal epilepsy (92) 555
- Rau, H., see Roberts, L.E. (92) 44
- Renn, W., see Lingenfelder, T. (92) 196
- Restuccia, D., Di Lazzaro, V., Valeriani, M., Aulisa, L., Galli, M., Tonali, P. and Mauguière, F.  
The role of upper limb somatosensory evoked potentials in the management of cervical spondylotic myelopathy: preliminary data (92) 502
- Rinalduzzi, S., see Barbato, L. (92) 169
- Roberts, L.E., Rau, H., Lutzenberger, W. and Birbaumer, N.  
Mapping P300 waves onto inhibition: Go/No-Go discrimination (92) 44
- Rockstroh, B., see Elbert, T. (92) 262
- Rowe, III, M.J. and Varilone, J.  
Long latency transient evoked potentials to rapid random stimulation: responses to single and multiple concurrent stimuli (92) 175
- Ruggieri, S., see Barbato, L. (92) 169
- Salamy, A. and Eldredge, L.  
Risk for ABR abnormalities in the nursery (92) 392
- Salmelin, R., see Forss, N. (92) 510
- Schacham, S.E., see Pratt, H. (92) 469
- Schroeder, C.E., see Steinschneider, M. (92) 30
- Schröger, E., Paavilainen, P. and Näätänen, R.  
Mismatch negativity to changes in a continuous tone with regularly varying frequencies (92) 140
- Sedgwick, M., see Weerasinghe, V. (92) 527
- Shearer, D.E., see Emmerson-Hanover, R. (92) 93
- Shimokochi, M., see Koyama, S. (92) 546
- Sidén, Å., see Andersson, T. (92) 473
- Singh, K.D., Ioannides, A.A., Gray, N., Kober, H., Pongratz, H., Daun, A., Grummich, P. and Vieth, J.  
Distributed current analyses of bi-hemispheric magnetic N1m responses to ipsi/contralateral monaural stimuli from a single subject (92) 365
- Smith, S., see Marsh, M.S. (92) 102
- Smulders, F.T.Y., Kenemans, J.L. and Kok, A.  
A comparison of different methods for estimating single-trial P300 latencies (92) 107
- Spileers, W., Maes, H., Lagae, L. and Orban, G.A.  
Contrast modulated steady-state visual evoked potentials (CMSS VEPs): recording evoked potentials and related single cell responses in area 17 of the cat (92) 64
- Steinschneider, M., Schroeder, C.E., Arezzo, J.C. and Vaughan, Jr., H.G.  
Speech-evoked activity in primary auditory cortex: effects of voice onset time (92) 30
- Stigsby, B., Bohlega, S., Al-Kawi, M.Z., Al-Dalaan, A. and El-Ramahi, K.  
Evoked potential findings in Behçet's disease. Brain-stem auditory, visual, and somatosensory evoked potentials in 44 patients (92) 273
- Suwaki, H., see Kajimoto, S.-I. (92) 456

- Takeuchi, F., see Kuriki, S. (92) 56  
Teichmann, R., see Lingenfelser, T. (92) 196  
Thal, L.J., see Iragui, V.J. (92) 1  
The HNRC Group, , see Iragui, V.J. (92) 1  
Thévenet, M., see Giard, M.H. (92) 238  
Thiriaux, A., see Cheron, G. (92) 491  
Tobis, M., see Lingenfelser, T. (92) 196  
Toleikis, J.R., see Fujii, M. (92) 183  
Tonali, P., see Restuccia, D. (92) 502  
Tsuchiya, H., see Bokura, H. (92) 422  
  
Uhl, H., see Lingenfelser, T. (92) 196  
  
Valeriani, M., see Restuccia, D. (92) 502  
Vandesteene, A., see Mavrouidakis, N. (92) 82  
Van Dyke, C., see Fein, G. (92) 536  
Van Engeland, H., see Kemner, C. (92) 225  
Varilone, J., see Rowe, III, M.J. (92) 175  
Vaughan, Jr., H.G., see Steinschneider, M. (92) 30  
Verbaten, M.N., see Kemner, C. (92) 225  
Verleger, R., see Wessel, K. (92) 331  
  
Vierегge, P., see Wessel, K. (92) 331  
Vieth, J., see Singh, K.D. (92) 365  
Vos, A., see Bartel, P.R. (92) 78  
  
Ward, M., see Gevins, A. (92) 282  
Weerasinghe, V. and Sedgwick, M.  
    Effect of manipulation and fractionated finger movements on  
    subcortical sensory activity in man (92) 527  
Wessel, K., Verleger, R., Nazarenus, D., Vierегge, P. and Kömpf, D.  
    Movement-related cortical potentials preceding sequential and  
    goal-directed finger and arm movements in patients with cerebel-  
    lar atrophy (92) 331  
Wilson, M.J., see Dobie, R.A. (92) 405  
  
Yamada, T., see Fujii, M. (92) 518  
Yamaguchi, S., see Bokura, H. (92) 422  
Yamashita, K., see Bokura, H. (92) 422  
Yeh, M.H., see Fujii, M. (92) 518  
  
Zaaroor, M., see Pratt, H. (92) 469  
Zegers de Beyl, D., see Mavrouidakis, N. (92) 82

# Index of Subjects

## VOLUME 92, 1994 (Evoked Potentials)

(Abstracts from Society Proceedings are not included)

Active movement and SEPs in Parkinson's disease, 491

Aging

- effects on ERPs, 126
- and pattern reversal EPs, 93

AIDS, *see* HIV infection

Alzheimer's disease and auditory P50 response, 36

Amnesia and visual P300 reduction, 422

Anesthesia, spinal and brain-stem SEPs, 82

Anterior faucial pillar and glossopharyngeal EPs, 183

Anterior ischemic optic neuropathy and ERG, 480

Antiepileptic drugs: phenobarbital and evoked potentials, 11

Apomorphine and SEPs in Parkinson's disease, 491

Auditory cortex

- evaluation of midlatency AEPs in man, 204
- frontal components in human AEPs, 238
- middle latency evoked fields, 414
- speech-evoked activity, 30

Auditory evoked fields

- distributed current imaging of auditory N1m, 365
- multichannel recording, 56
- of middle latency, 414

Auditory evoked potentials

- auditory P50 response in Alzheimer's disease, 536
- click-evoked responses in man, 215
- evaluation of midlatency AEPs in man, 204
- objective detection of 40 Hz auditory EPs, 405
- recovery of compromised cerebral function, 196
- speech-evoked activity in auditory cortex, 30
- *see also* Brain-stem auditory evoked potentials

Auditory information processing

- MMN to changes in a continuous tone, 140
- two-channel frequency-following responses, 321

Auditory nerve

- click-evoked responses, 17
- neural conduction velocity, 306

Auditory P300 from a single stimulus, 253

Auditory unit formation, 140

Autism, visual and somatosensory ERPs, 225

Automated analysis of SEPs, 89

BAEPs, *see* Brain-stem auditory evoked potentials

Behçet's disease, 273

Bereitschaftspotentials in cerebellar degeneration, 331

Binaural interaction in human BAEP, 396

Bipolar recordings from the eighth nerve, 17

Book reviews, 173

Brain-stem auditory evoked potentials

- and phenobarbital, 11
- 3-CLT of binaural interaction in human BAEP, 396
- EP enhancement in hypoxia, 456
- in asymptomatic HIV, 1
- in Behçet's disease, 273

- risk for BAEP abnormalities, 392

- simulated annealing for dipole estimation, 161

- two-channel frequency-following responses, 321

Brain-stem

- two-channel frequency-following responses, 321

- upper limb SEPs in cervical spondylotic myelopathy, 502

Carotid endarterectomy, 86

Cat

- mass-action view of single-cell responses, 442

- recording VEPs and single-cell responses, 64

Cerebellar degeneration and BP, 331

Cerebral circulation: carotid endarterectomy, 86

Cerebral function recovery, 196

Cervical spondylotic myelopathy and upper limb SEPs, 502

Chemo-somatosensory ERPs to repetitive stimulation, 426

Children, *see* Infants

Choice reaction and late positive complex, 148

Cholinergic mechanisms and auditory P50 response in AD, 536

CO<sub>2</sub> and chemo-somatosensory ERPs to repetitive stimulation, 426

Cochlear nucleus and click-evoked responses in man, 215

Colors, *see* Vision

Compound action potentials from the eighth nerve, 17

Conduction velocity of auditory nerve, 306

Contingent negative variation

- magnetic counterpart of the CNV, 262

- P300 waves and response suppression, 44

Contrast modulation

- recording VEPs and single-cell responses, 64

- VEP and simple motor reaction times, 487

Cortex: distributed neocortical network, 282

Current density

- distributed current imaging of auditory N1m, 365
- frontal components in human AEPs, 238

Current dipole or source, *see* Generators

DC potential and magnetic counterpart of the CNV, 262

Development and pattern reversal EPs, 93

Diabetes: recovery of compromised cerebral function, 196

Diagnosis

- auditory P50 response in Alzheimer's disease, 536

- ERG in anterior ischemic optic neuropathy, 480

- ERG in optic neuritis, 480

Digital filtering and machine scoring of SEPs, 89

Dipole localization

- frontal components in human AEPs, 238

- of SEP topographies, 373

- simulated annealing for dipole estimation, 161

- two-channel frequency-following responses, 321

Dog: EP enhancement in hypoxia, 456

Dopamine agonist and SEPs in Parkinson's disease, 491



- EEG: P300 waves and response suppression, 44
- Electrical stimulation
  - electrovestibulography in guinea-pig, 462
  - somatosensory evoked fields, 510
- Electrophysiology: recovery of compromised cerebral function, 196
- Electroretinogram
  - effects of refractive errors on PERGs and PVEPs, 78
  - in anterior ischemic optic neuropathy, 480
  - in optic neuritis, 480
- Enflurane: spinal and brain-stem SEPs, 82
- Epilepsy
  - phenobarbital and evoked potentials, 11
  - P3 latency jitter in focal epilepsy, 555
- Equivalent current dipole
  - distributed current imaging of auditory N1m, 365
  - frontal components in human AEPs, 238
- Event-related potentials
  - chemo-somatosensory ERPs, 426
  - choice complexity and late positive complex, 148
  - effects of aging, 126
  - frontal components, 238
  - heritable features of the auditory oddball ERP, 115
  - in autistics, 225
  - methods for P3 latency jitter in normal subjects, 352
  - MMN to changes in a continuous tone, 140
  - P300 from a single auditory stimulus, 253
  - P300 from families, 369
  - single-trial P300 latency, 107
  - to face stimuli, 342
  - visual P300 reduction in transient global amnesia, 422
  - word recognition task in schizophrenics, 546
- Evoked fields
  - magnetic counterpart of the CNV, 262
  - multichannel-recorded neuromagnetic field, 56
- Evoked potentials
  - and phenobarbital, 11
  - auditory, *see* Auditory evoked potentials
  - BAEPs, *see* Brain-stem auditory evoked potentials
  - distributed neocortical network, 282
  - electrovestibulography in guinea-pig, 462
  - EP findings in Behçet's disease, 273
  - glossopharyngeal EPs and anterior faucial pillar, 183
  - in asymptomatic HIV, 1
  - laplacian derivation with realistic head shape, 433
  - somatosensory, *see* Somatosensory evoked potentials
  - to pattern, *see* Pattern
  - to random stimulation, 175
  - visual, *see* Visual evoked potentials
- Face stimuli and ERPs, 342
- Family studies of P300, 369
- Far-field SEP potentials, 82
- Frequency-following response, 321
- Frontal components in human AEPs, 238
- Frontal SEPs in severe head injury, 568
- Gating
  - SEPs and fractionated movements of the hand, 527
  - SEPs in Parkinson's disease, 491
- Generators
  - evaluation of midlatency AEPs in man, 204
  - frontal components in human AEPs, 238
  - simulated annealing for dipole estimation, 161
  - source localization analysis of SEP topographies, 373
  - speech-evoked activity in auditory cortex, 30
- Genetic determination of P300, 369
- Glasgow outcome scale, 568
- Glossopharyngeal EPs and anterior faucial pillar, 183
- Goal-directed movements and cerebellar degeneration, 331
- Go/no-go task, P300 waves and response suppression, 44
- Guinea-pig: electrovestibulography, 462
- Habituation of chemo-somatosensory ERPs, 426
- Head injury, frontal and parietal SEPs, 568
- Heritable features of the auditory oddball ERP, 115
- Heschl's gyrus and midlatency AEPs in man, 204
- High risk for BAEP abnormalities, 392
- Hippocampus, transient global amnesia and visual P300, 422
- HIV infection and evoked potentials, 1
- Hoffmann reflex, spinal and brain-stem SEPs, 82
- Hypoglycemia and recovery of cerebral function, 196
- Hypoxia and EP enhancement, 456
- Infants
  - phenobarbital and evoked potentials, 11
  - visual and somatosensory ERPs in autistics, 225
- Infarction and carotid endarterectomy, 86
- Insuline-dependent diabetes mellitus and cerebral function, 196
- Intoxication and evoked potentials, 11
- Intraoperative monitoring
  - carotid endarterectomy, 86
  - click-evoked responses in man, 215
  - high-intensity LED flash stimulator, 469
  - neural conduction velocity of auditory nerve, 306
- Language and auditory evoked activity, 30
- Laplacian derivation with realistic head shape, 433
- Latency jitter
  - methods for P3 latency jitter in normal subjects, 352
  - P3 latency jitter in focal epilepsy, 555
- Late positive complex and choice complexity, 148
- Lateralization in autistics, 225
- Lexical decision and ERPs in schizophrenics, 546
- Light-emitting diodes
  - high-intensity flash stimulator, 469
  - VEPs in multiple sclerosis, 473
- Lissajous' trajectories of human BAEP, 396
- Long-latency components
  - effects of aging on ERPs, 126
  - EPs to random stimulation, 175
- Machine scoring of SEPs, 89
- Magnetic field: multichannel recording, 56
- Magnetic resonance imaging
  - frontal components in human AEPs, 238
- Magnetoencephalography
  - distributed current imaging of auditory N1m, 365
  - evoked fields to airpuff and electric stimuli, 510
  - magnetic counterpart of the CNV, 262
  - middle latency auditory evoked fields, 414
- Magnitude-squared coherence
  - objective detection of 40 Hz auditory EPs, 405
- Mapping, *see* Topographic mapping
- Masking
  - middle latency auditory evoked fields, 414
- Mass-action view of single-cell responses, 442
- Maximum likelihood technique
  - methods for P3 latency jitter in normal subjects, 352
  - P3 latency jitter in focal epilepsy, 555
- Mechanical stimulation
  - glossopharyngeal EPs and anterior faucial pillar, 183
  - somatosensory evoked fields to airpuff, 510
- Median nerve
  - effects of stimulus rates on SEPs, 518
  - fractionated movements of the hand and subcortical SEPs, 527

# Memory

- ERPs to face stimuli, 342
- visual P300 reduction in transient global amnesia, 422

# Mental chronometry

- single-trial P300 latency, 107

# Midlatency responses

- auditory evoked fields, 414
- auditory P50 response in Alzheimer's disease, 536
- evaluation of AEPs in man, 204
- recovery of compromised cerebral function, 196

# Mismatch negativity to changes in a continuous tone, 140

# Missing fundamental stimuli

- two-channel frequency-following responses, 321

# Modelisation

- simulated annealing for dipole estimation, 161

# Monaural stimuli

- distributed current imaging of N1m, 365

# Monitoring

- carotid endarterectomy, 86
- EP enhancement in hypoxia, 456
- risk for BAEP abnormalities, 392

# Monkey

- speech-evoked activity in auditory cortex, 30

# Motor control in cerebellar degeneration, 331

# Motor preparation, *see* Preparation to movement

# Motor reaction time and VEPs, 487

# Movement

- BP in cerebellar degeneration, 331
- of the hand and subcortical SEPs, 527
- *see also* Preparation to movement

# Multiple sclerosis and VEPs, 473

# Multiple unit activity in auditory cortex, 30

# Myelopathy and upper limb SEPs, 502

# Neonates

- risk for BAEP abnormalities, 392

# Nerve block

- effects of stimulus rates on SEPs, 518
- *see also* Conduction

# Non-linear simplex

- simulated annealing for dipole estimation, 161

# Normative data

- 3-CLT of binaural interaction in human BAEP, 396
- methods for P3 latency jitter, 352

# N400 and word recognition task in schizophrenics, 546

# N95

- ERG in optic neuritis and anterior ischemic optic neuropathy, 480

# Oddball task

- heritable features of the auditory oddball ERP, 115
- P300 from a single auditory stimulus, 253
- visual and somatosensory ERPs in autistics, 225

# On-off fluctuations

- SEPs in Parkinson's disease, 491

# Optic neuritis

- and ERG, 480
- VEPs in multiple sclerosis, 473

# Pain

- chemo-somatosensory ERPs to repetitive stimulation, 426
- dipole source localization analysis of SEP topographies, 373
- effects of stimulus intensity on SEP topographies, 303
- stable periods and differences in SEP topographies, 291

# Paired stimulation in Alzheimer's disease, 536

# Parkinsonism

- and color VEPs, 169
- and SEPs, 491

# Parietal SEPs in severe head injury, 568

# Pattern ERG in optic neuritis and anterior ischemic optic neuropathy, 480

# Pattern reversal EPs

- gender and age effects, 93
- in pregnant women, 102

# Peak measurement and scoring of SEPs, 89

# Peak-picking

- single-trial P300 latency, 107

# Perceptual processes and frequency-following responses, 321

# Phase coherence and detection of 40 Hz auditory EPs, 405

# Phenobarbital and evoked potentials, 11

# Phonetic discrimination

- speech-evoked activity in auditory cortex, 30

# Pregnancy and pattern reversal EPs, 102

# Preparation to movement

- BP in cerebellar degeneration, 331
- P300 waves and response suppression, 44

# Prognostic value of SEPs in severe head injury, 568

# P3(00)

- and response suppression, 44
- effects of aging on ERPs, 126
- from a single auditory stimulus, 253
- from families, 369
- methods for P3 latency jitter in normal subjects, 352
- P3 latency jitter in focal epilepsy, 555
- single-trial P300 latency, 107
- visual P300 reduction in transient global amnesia, 422

# P50 in Alzheimer's disease, 536

# Quantitative methods for P3 latency jitter in normal subjects, 352

# Rabbit

- mass-action view of single-cell responses, 442

# Radial nerve SEPs, effects of stimulus rates, 518

# Random stimulation and long latency transient EPs, 175

# Reaction time

- VEP and simple motor reaction times, 487
- word recognition task and ERPs in schizophrenics, 546

# Receptive field

- mass-action view of single-cell responses, 442

# Refractive error effects on PERGs and PVEPs, 78

# Rotational stimulation in guinea-pig, 462

# Scalp recording

- dipole source localization analysis of SEP topographies, 373
- effects of stimulus intensity on SEP topographies, 303
- stable periods and differences in SEP topographies, 291

# Schizophrenia, word recognition task and ERPs, 546

# Sensory coding

- two-channel frequency-following responses, 321

# Sensory memory

- MMN to changes in a continuous tone, 140

# Sex differences in pattern reversal EPs, 93

# Signal-to-noise ratio

- methods for P3 latency jitter in normal subjects, 352

# Simulated annealing for dipole estimation, 161

# Single cell response

- and recording VEPs, 64
- mass-action view, 442

# Single trial P300 latency, 107

# Somatosensory cortex

- distributed neocortical network, 282
- evoked fields to airpuff and electric stimuli, 510

# Somatosensory ERPs in autistics, 225

# Somatosensory evoked potentials

- carotid endarterectomy, 86
- dipole source localization analysis, 373



- effects of stimulus intensity, 303
- effects of stimulus rates, 518
- enhancement in hypoxia, 456
- fractionated movements of the hand and subcortical SEPs, 527
- frontal and parietal SEPs in severe head injury, 568
- in Behçet's disease, 273
- in cervical spondylotic myelopathy, 502
- in Parkinson's disease, 491
- machine-scoring, 89
- SEP topographies, 291, 303, 373
- spinal and brain-stem SEPs, 82
- stable periods and differences in SEP topographies, 291
- Source localization
  - analysis of SEP topographies, 373
  - multichannel-recorded neuromagnetic field, 56
  - speech-evoked activity in auditory cortex, 30
- Spatial distribution, *see* Topographic mapping
- Spatial filtering
  - laplacian derivation with realistic head shape, 433
- Speech, *see* Language
- Sphenoidal electrodes
  - P3 latency jitter in focal epilepsy, 555
- Spinal and brain-stem SEPs, 82
- Steady-state response
  - objective detection of 40 Hz auditory EPs, 405
- Steroid hormones
  - pattern reversal EPs in pregnant women, 102
- Stimulus evaluation
  - choice complexity and late positive complex, 148
- Stimulus rate effects on SEPs, 518
- Subcortical SEPs and fractionated movements of the hand, 527
- Subdural grid recording, 282
- Sural nerve
  - dipole source localization analysis, 373
  - effects of stimulus intensity, 303
  - stable periods and differences in SEP topographies, 291
- Swallowing, glossopharyngeal EPs and anterior faucial pillar, 183
- Taylor expansion
  - laplacian derivation with realistic head shape, 433
- Technique
  - high-intensity LED flash stimulator, 469
- Template matching
  - single-trial P300 latency, 107
- Temporal cortex and frontal components in human AEPs, 238
- Temporal lobe epilepsy and P3 latency jitter, 555
- Threshold
  - P300 waves and response suppression, 44
- Tibial nerve SEPs
  - evoked potentials in asymptomatic HIV, 1
  - in Behçet's disease, 273
- Topographic mapping
  - dipole source localization analysis of SEP topographies, 373
  - effects of stimulus intensity on SEP topographies, 303
  - evaluation of midlatency AEPs in man, 204
  - frontal components in human AEPs, 238
  - heritable features of the auditory oddball ERP, 115
  - laplacian derivation with realistic head shape, 433
  - middle latency auditory evoked fields, 414
  - stable periods and differences in SEP topographies, 291
- Transient EPs to random stimulation, 175
- Twins and the auditory oddball ERP, 115
- Ulnar SEPs: effects of stimulus rates, 518
- Upper limb SEPs in cervical spondylotic myelopathy, 502
- Vestibular nerve section and responses from the eighth nerve, 17
- Vestibular system of the guinea-pig, 462
- Visceral afferents
  - color VEPs in Parkinson's disease, 169
- Visual cortex
  - mass-action view of single-cell responses, 442
  - recording VEPs and single-cell responses, 64
- Visual detection task
  - effects of aging on ERPs, 126
- Visual evoked potentials
  - and phenobarbital, 11
  - and simple motor reaction times, 487
  - color VEPs in Parkinson's disease, 169
  - effects of refractive errors on PERGs and PVEPs, 78
  - gender and age in pattern reversal EPs, 93
  - in asymptomatic HIV, 1
  - in Behçet's disease, 273
  - in multiple sclerosis, 473
  - pattern reversal EPs in pregnant women, 102
  - recording VEPs and single-cell responses, 64
- Visual processing of faces, 342
- Visual stimulation
  - ERPs in autistics, 225
  - high-intensity LED flash stimulator, 469
  - P300 reduction in transient global amnesia, 422
- Woody's algorithm
  - methods for P3 latency jitter in normal subjects, 352
- Word recognition task in schizophrenics, 546